Title (en)

Systems and methods for interacting with a user interface of a media player

Title (de)

Vorrichtungen und Verfahren zur Interaktion mit einer Benutzerschnittstelle eines Mediaspieler

Title (fr)

Dispositifs et procédés pour l'interaction avec une interface utilisateur d'un lecteur multimédia

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Application

EP 05000162 A 20050105

Priority

US 75184604 A 20040105

Abstract (en)

Systems and methods for interfacing with playback of media by a media player are provided. By combining the functionality of fast forward and skip forward into a single button control, the invention reduces the numbers of control buttons that need be included on a device, reducing device costs and consumer "button overload." In one embodiment, by pressing (and releasing) a forward button, media being rendered by a media player skips to a predetermined location in the media. By pressing and holding (and then releasing) the forward button, the media being rendered is fast forwarded according to algorithms for fast forwarding. A backward button covers skipping backward and fast reversing in a similar fashion. A device including a play/pause button and the described forward and backward buttons advantageously reduces the number of buttons required by two buttons.

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IPC 8 full level (invention and additional information)

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Citation (search report)

- [X] "Compaq IPAQ PCD-1 Personal CD Player User Guide" INTERNET CITATION, [Online] 1 December 2001 (2001-12-01), XP002425215 Retrieved from the Internet: URL:http://h10032.www1.hp.com/ctg/Manual/bpia0013.pdf> [retrieved on 2007-03-16]
- [L] "Neue MP3-CD Player von Compaq" INTERNET CITATION, [Online] 23 October 2001 (2001-10-23), XP002425216 Retrieved from the Internet: URL:http://www.heise.de/newsticker/result.xhtml?url=/newsticker/meldung/22072> [retrieved on 2007-03-16] -& "iPAQ Personal CD Player PCD-1" INTERNET CITATION, [Online] 1 December 2001 (2001-12-01), XP002425220 Retrieved from the Internet: URL:http://web.archive.org/web/20011201190419/http://athome.compaq.com/showroom/static/ipaq/PD_1.asp> [retrieved on 2007-03-16]
- [X] "iHP-100 User Manual" INTERNET CITATION, [Online] 13 August 2003 (2003-08-13), XP002425217 Retrieved from the Internet: URL:http://web.archive.org/web/20031209102014/iriveramerica.com/download/iHP_100_EngUSA_030709aF.pdf> [retrieved on 2007-03-16]
- [L] "iRiver America - iHP-100" INTERNET CITATION, [Online] 14 August 2003 (2003-08-14), XP002425218 Retrieved from the Internet: URL:http://web.archive.org/web/20030814215943/www.iriveramerica.com/products/iHP-100.asp> [retrieved on 2007-03-16] -& "iHP-100 Support" INTERNET CITATION, [Online] 13 August 2003 (2003-08-13), XP002425221 Retrieved from the Internet: URL:http://web.archive.org/web/20030813001427/www.iriveramerica.com/support/iHP-100_support.asp> [retrieved on 2007-03-16]
- [A] "Neue Versionen von iPod & Co." INTERNET CITATION, [Online] 8 September 2003 (2003-09-08), XP002425219 Retrieved from the Internet: URL:http://www.heise.de/newsticker/result.xhtml?url=/newsticker/meldung/40138> [retrieved on 2007-03-16]

Citation (examination)

- [X] US 2003236582 A1 20031225 - ZAMIR LEE [US], et al
- [L] "Video, Sound und mehr" C'T MAGAZIN FÜR COMPUTERTECHNIK, no. 9/2003, 22 April 2003 (2003-04-22), pages 166-175, ISSN: 0724-8679
- [X] INMATRIX.COM: 'What's New Archive' INTERNET CITATION, [Online] Retrieved from the Internet: <URL:http://www.inmatrix.com/files/zoomplayer_whatsnew_archive.shtml> [retrieved on 2009-11-23]

Cited by

US8922508B2; EP1783593A2; US8364017B2; WO2007102107A1; EP2124433A2; US8717301B2

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